

FIG. 1

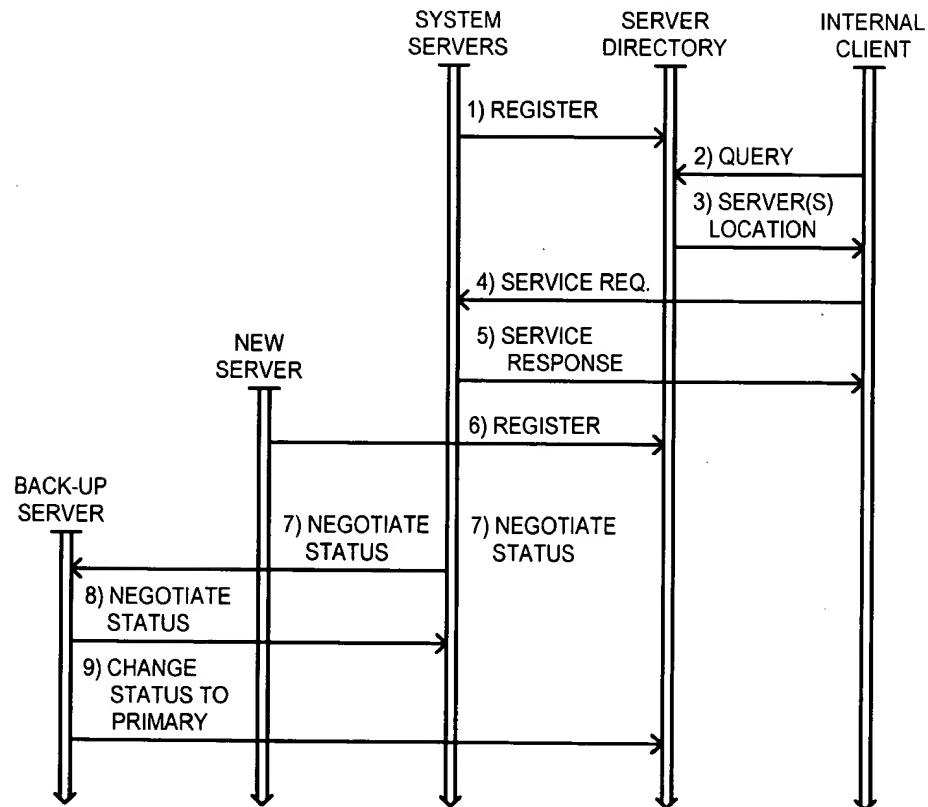


FIG. 2

Server Functions

Function *Start_Server*

 Out (**server features, server location**)

Function *Push_Server_Status*

 If server status change

 Out (**change in status**)

FIG. 3A

Server Directory Interface

Function *Register_Server*

 In (**server features, server location**)

 Modify directory to include new features

Function *Update_Register*

 In (**change in status**)

 Modify directory to include status change

Function *Service_Request*

 In (**Service Request**)

 Execute request as independent operation without any coupling

Function *Load_Balance*

 In (**Server Directory**)

 If load imbalance condition 1

 update server directory to redistribute load

 If load imbalance condition 2

 change back-up server status to primary server status

 If load imbalance condition 3

 change primary server status to back-up server status

FIG. 3B

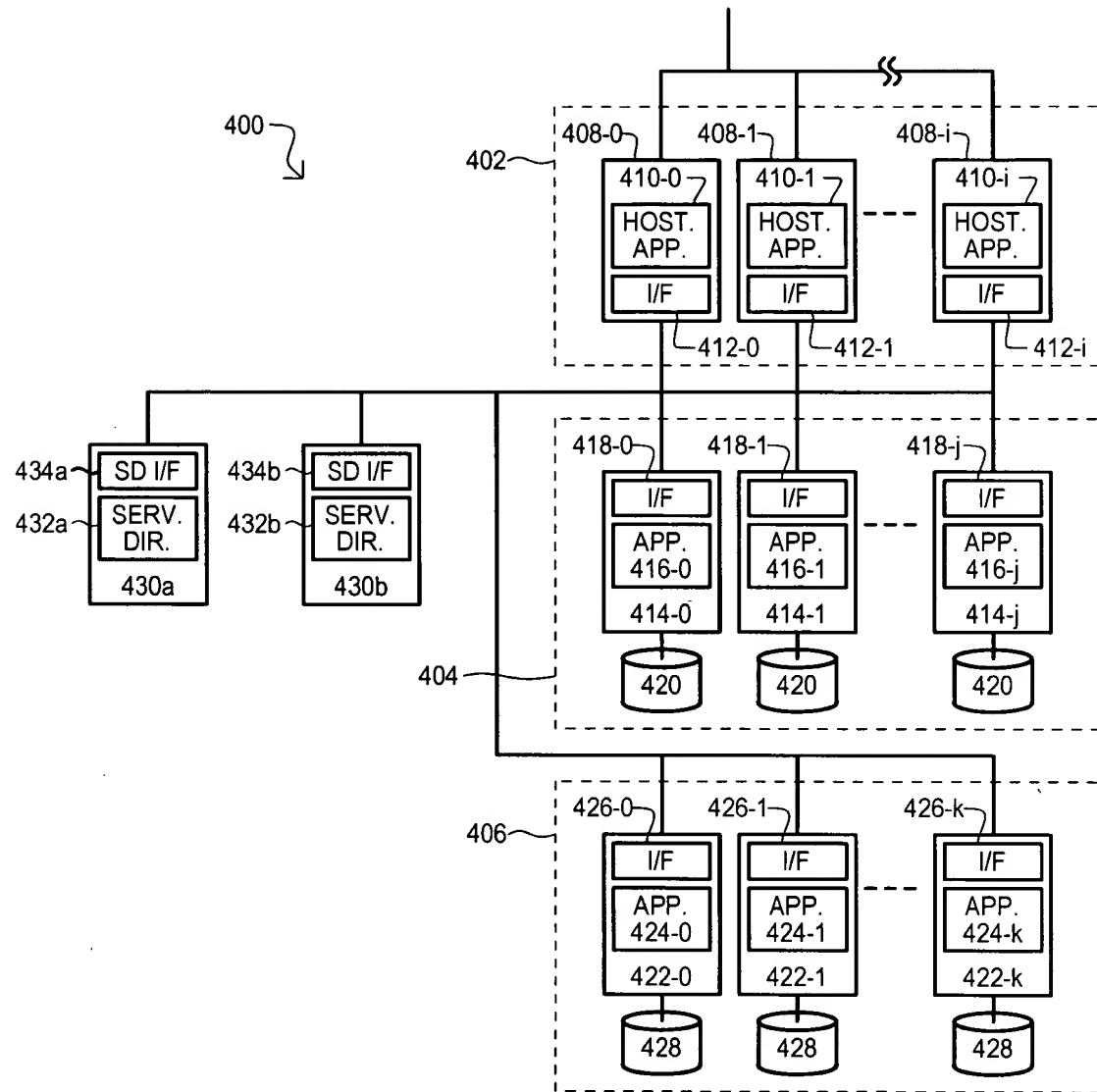


FIG. 4

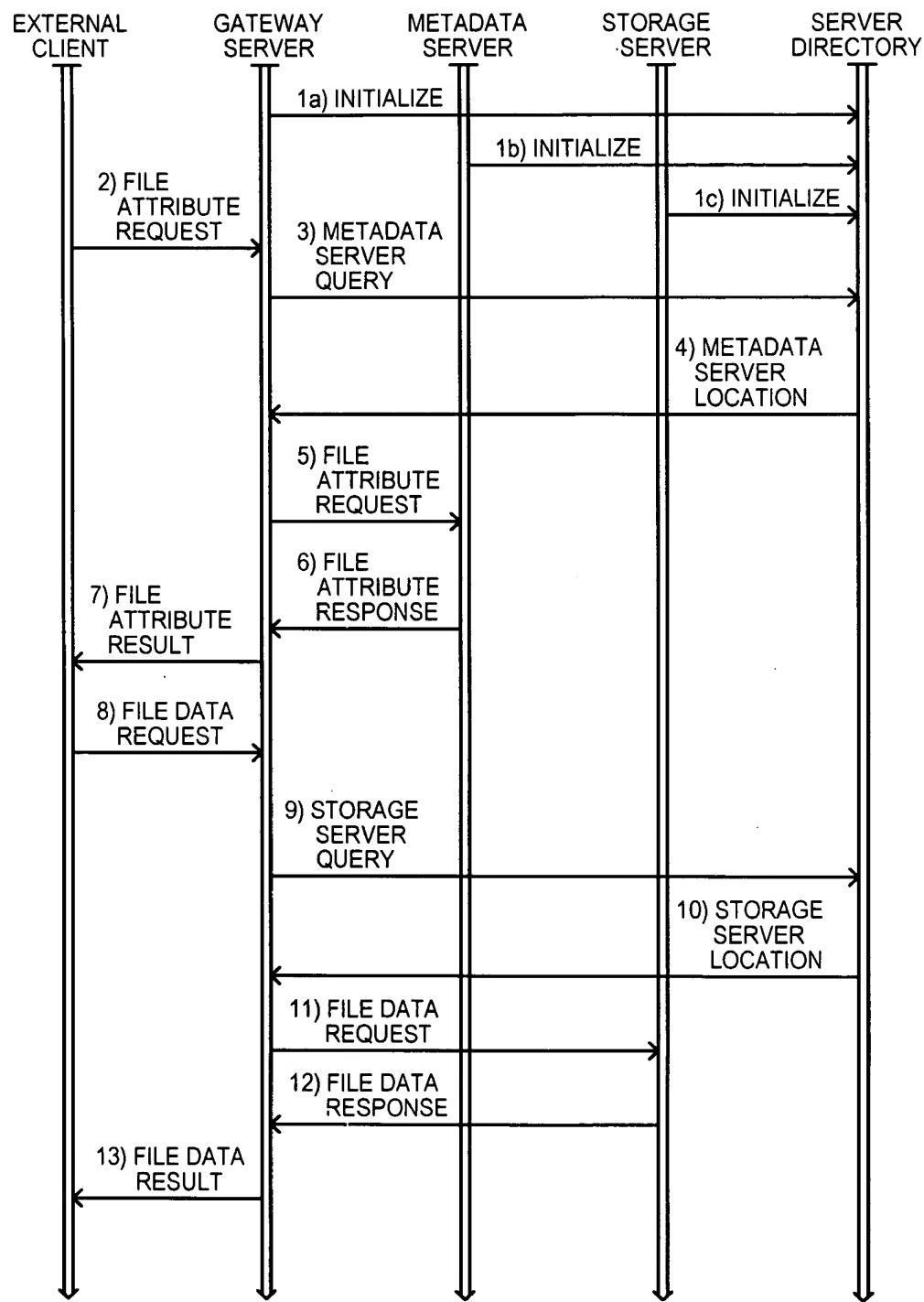


FIG. 5

Gateway_Server Functions

Function *Register_Gateway_Server*

Out (**hosted application service requirements, gateway server location**)

Function *Gateway_Server_Status*

If gateway server resources out of range

Out (**features that are out of range**)

FIG. 6A

Metadata_Server Functions

Function *Register_Metadata_Server*

Server Features = location, metadata range accessed, storage total, storage used

Out (**Server Features**)

Function *Metadata_Server_Status*

If metadata server resources out of range

Out (**features that are out of range**)

FIG. 6B

Storage_Server Functions

Function *Register_Storage_Server*

File Server Features = location, range of files accessed, storage total, storage used

Out (**Storage Server Features**)

Function *Storage_Server_Status*

If storage server values out of range

Out (**features that are out of range**)

FIG. 6C

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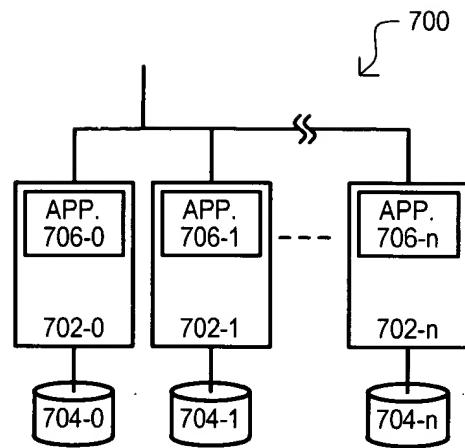


FIG. 7

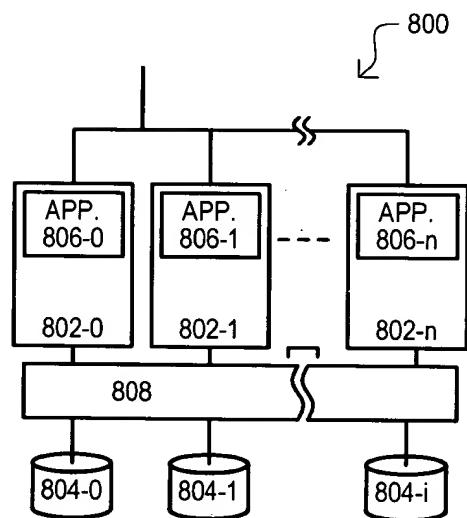


FIG. 8